

Thursday, March 20, 1997
THE IMPACT STORY - MECHANICS, EXPERIMENTS, MODELS
8:30 a.m. Room D

Chairs: W. B. McKinnon
V. L. Sharpton

Love S. G.* Ahrens T. J.
Catastrophic Impacts and Asteroid Rotation Rates

Crawford D. A.*
Comet Shoemaker-Levy 9 Fragment Size and Mass Estimates from Light Flux Observations

O'Keefe J. D.* Ahrens T. J.
Complex Craters: Relationship of Inner Rings to the Impactor and Transient Crater Evolution

Turtle E. P.* Pierazzo E.
Constraints on the Size of the Vredefort Impact Crater from Numerical Modeling

Melosh H. J.* Pierazzo E.
Impact Vapor Plume Expansion with Realistic Geometry and Equation of State

Sugita S.* Schultz P. H. Adams M. A.
In Situ Temperature Measurements of Impact-Induced Vapor Clouds with a Spectroscopic Method

Pope K. O.* Ocampo A. C. Baines K. H.
Constraints on Volatile Production by the Chicxulub Impact

Schultz P. H.* Sugita S.
Fate of the Chicxulub Impactor

Lyons J. R.* Ahrens T. J. Vasavada A. R.
Global Effects of Impact Ejecta from the K-T Bolide

Berthoud L.* Cintala M. J. Hörz F.
Velocity Determination for Ejecta from Craters in Coarse-Grained Sand

Miller G. H.*
Conditions for Single and Multimaterial Jets

Housen K. R.* Voss M. E.
Experimental Test for Size Effects in Impact Fragmentation

Barnouin-Jha O. S.* Schultz P. H. Lever J.
Wind Tunnel and Numerical Experiments Exploring the Interactions Between an Ejecta Curtain and an Atmosphere